

For Research Use Only

LCAT Recombinant monoclonal antibody

Catalog Number: 86041-1-RR



Basic Information

Catalog Number:	86041-1-RR	GenBank Accession Number:	NM_008490.2	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	16816	CloneNo.:	250320E2
Isotype:	IgG	UNIPROT ID:	P16301	Recommended Dilutions:	WB: 1:2000-1:10000 IHC: 1:500-1:2000
Immunogen Catalog Number:	EG2756	Full Name:	lecithin cholesterol acyltransferase	Calculated MW:	50 kDa
		Observed MW:	55-65 kDa		

Applications

Tested Applications:	WB, IHC, ELISA	Positive Controls:	
Species Specificity:	mouse, rat	WB:	mouse blood, rat plasma

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

LCAT (Lecithin-cholesterol acyltransferase) is a lipoprotein-associated enzyme responsible for the synthesis of most of the plasma cholesterol esters (CE), and as a consequence, for the maturation of high density-lipoproteins (HDL). LCAT is a 416 amino acid protein that binds to lipoproteins or is present in lipid-free form in plasma and is secreted by the liver in humans (PMID: 34256778, 26607351). Both mice and rabbits transgenic for human LCAT have marked increases in plasma HDL cholesterol and apolipoprotein (apo) A-I levels (PMID: 9054454).

Storage

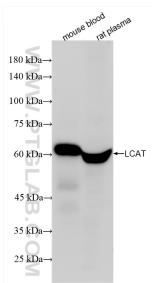
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com

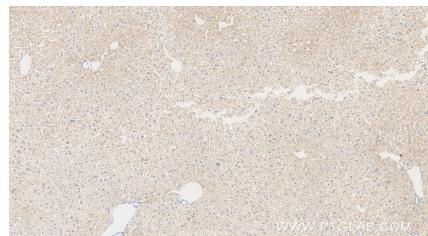
W: ptgcn.com

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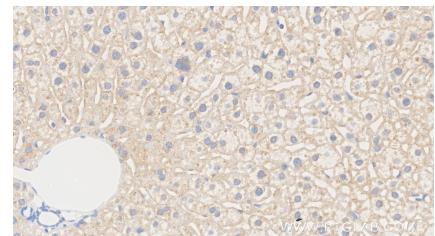
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86041-1-RR (LCAT antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 86041-1-RR (LCAT antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 86041-1-RR (LCAT antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).